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[TDS Sep 2024] Project 2 Updates

donot\_reply@study.iiitm.ac.in

to 2413\_w00007 / announce

Thu, Dec 12, 2024, 11:15 PM

Here are some important updates from the **Project 2** Discussion Thread:

- **When is Project 2 due?** Before Mon 16 Dec 2024, 3:30 pm IST.
- **Where do I submit?** <https://forms.gle/r2iNAvGicxrhE9mYkA>
- **Can I use my own OpenAI API key?** Yes
- **Where should I store the token?** In the `AI_PROXY` environment variable. Don't commit your tokens.
- **What if I ran out of the \$2 credit on my token?** We've increased it to \$5 for everyone. You will not get more. Borrow from friends if required.
- **How do I check how much credit I have used so far?** Every response has a `monthlyCost` field. Keep that below 5.0.
- **Won't passing images to OpenAI cost too much?** Use `"detail": "low"` to reduce it.
- **What should my folder structure be?**
  - `autolysis.py`
  - `goodreads/README.md`
  - `goodreads/*.png`
  - `happiness/README.md`
  - `happiness/*.png`
  - `media/README.md`
  - `media/*.png`
- **How should I run my autolysis.py?** `uv run autolysis.py /path/to/input.csv`
- **Where should I save the README.md and PNG files?** In the current working directory.
- **How can I check my submission?** Use the WIP **Project 2** Evaluation Script.
- **Where are the results of this stored?**
  - Linux/Mac: `~/local/share/tds-sep-24-project-2/results.csv`
  - Windows: `%LOCALAPPDATA%\tds\tds-sep-24-project-2\results.csv`
- **LLMs are error prone. Should my code retry on failure?** Yes. E.g. use a library like `tenacity`.
- **Will you evaluate the code multiple times and take an average?** No. Just once.
- **How long can my code run?** Max 120 seconds.
- **What if I get `CLONE FAILED ... returned non-zero exit status 128`?** Your GitHub repo URL is wrong or your repo is private.
- **Which datasets will you evaluate?** The **project** mentions "one of the datasets you submitted". We'll run `uv run autolysis.py` on either `goodreads.csv`, `happiness.csv`, or `media.csv`, randomly, and evaluate it. We will also evaluate it on 2 secret datasets.
- **I get a `No module named ...`** Read the uv reading material
- **I get a HTTP 429 error.** OpenAI is tired. Retry.
- **I get a different score each evaluation.** LLMs give different results each time. Make your code and prompts more robust.

If your questions are not answered, please post on the [thread](#)

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[TDS Sep 2024] Project 2 evaluations

donot\_reply@study.itm.ac.in

to 2413\_se2002-announce

I've evaluated 343 Project 2 submissions starting around 4 pm IST today.

Of these, 151 got 3/3, and these are PROBABLY OK. Others may copy your code. You might improve & test it locally for uniqueness and push before the deadline.

The remaining 192 submissions are not OK.

The evaluation is based on this evaluation script: <https://github.com/sanand0/tools-in-data-science-public/tree/tds-2024-t3/project2>

The results are at: <https://drive.google.com/drive/folders/1J7nnvddG2ucD9ITpRBCAB89MP54yq>

'results.csv' has the status of the submission checks for each student. If your ID is not here, then you have not submitted "with your ITM email". Please submit again.

'logs' has the logs, i.e. your code output (if there was any). I run the evaluator 2-3 times since I ran out of tokens. So some of you may see the output of two runs.

The top problems I see are:

1. Saving files in the script or data directory instead of the current working directory.

2. Not using script metadata for 'uv', or trying to install via pip

3. Script runs forever. NOT due to LLMs, but waiting for interactive visualizations, starting HTTP servers, etc.

4. AI Proxy token is not set up correctly.

These are classic deployment mistakes. Please fix them.

Some of your repos are private. I guess you know what you're doing.

I won't be able to run more evaluations before the deadline. I suggest you run the evaluation script (preferably without Python in the path, with the data in a faraway directory) to check if your code works.

Regards,

Anand

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[TDS Sep 2024] Project 2 released

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donot\_reply@study.iitm.ac.in

to 2413\_se2002 announce

TDS Project 2 is available at <https://github.com/sanand0/foots-in-data-science-public/blob/main/TDS-2024-13/project-2-automated-analysis.md>

It's an interesting project.

1. You have to write an LLM-based program to analyze a dataset.

2. You have to convince an LLM that your code and output are good.

This is hard. It's something you haven't done before. (Not most people in the world.)

So I strongly urge you to start early!

Please use this Discourse thread for any question: <https://discourse.onlineeducation.iitm.ac.in/t/project-2-discussion-thread-sep-2024-term/157843>

You'll learn a lot of new things. Enjoy the journey!

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Mon, Dec 2, 2024, 3:20 PM

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